Claims

The items needed to be protected

1. An innovative interactive multimedia program displayed on a semicircular panoramic screen using one personal computer and nine video projectors.

2. (according to claim 1)
Extra VGA cards were equipped to the PC which resulted in having nine screens display area. We used the Windows Operating System to build a seamless screen with the dimensions 2:2.6.

3.(according to claim 1)
Special multimedia program was developed in order to display data on a seamless nine screen projection area.

4. (according to claim 1)
Presenting computer driven interactive show on a panoramic semicircular display.

5. (according to claim 1)
Using regular projectors to arrange the nine flat screens in a semicircular shape.

6. (according to claim 1)
Using PC to produce an interactive semicircular panoramic display system.

AMENDED CLAIMS
received by the International Bureau on 23 August 2005 (23.08.2005): original claims 1-6 have been replaced by
amended claims 1-25.

Claims:

1. A system capable of displaying interactive computer programs on a large area
   using nine flat screens to build single seamless customizable panoramic
   screen, depends on traditional technology and have the following advantages:
   - Simple to operate and maintain
   - Simple to install
   - The shape and area of the display are easily customizable
   - Can run any kind of visual contents, both self-running and interactive
   - Can be used in various applications like educational, technical and
     cultural

   And is composed of:
   a. Multiple projectors (the projection set) those project the panoramic
      image on the receiving set
   b. Multiple screens (the receiving set) those are arranged seamlessly in
      front of the projection set
   c. Single PC that runs the computer programs and connects to the
      projection set through a number of VGA cards

2. The projection set (according to claim 1), is composed of nine fixed
   projectors, each one projects a portion of the computer program on the
   opposite screen of the receiving set, resulting in seamless panoramic image of
   the computer program on the receiving set
3. The receiving set (according to claim 1), can be easily customized to produce
   differently shaped panoramic displays (straight, circular, semi-circular or any
   other shape) by adjusting the angle between each two successive screens
4. The projection set (according to claim 1), can be adjusted to produce
   panoramic displays those cover different field of views in the horizontal and
   vertical direction.
5. The displaying system (according to claim 1), is composed of regular,
   available and easy-to-use technologies making it a low-cost panoramic
   displaying system
6. The displaying system (according to claim 1), can display stereoscopic
   contents
7. The PC (according to claim 1), is connected to the projection set through five
   VGA cards, each can output to two projectors, and can run programs contain
   different types of visual contents
8. The program (according to claim 7), can contain both self-running and
   interactive contents
9. The program (according to claim 7), have an extremely hi resolution
   (7200*600 or higher)
10. The displaying system (according to claim 1), can be used to display different
    types of contents like: information, 2d and 3d animations, video, panoramic
    images and real-time 3d graphics
11. The receiving set (according to claim 1), use flat screens to produce custom-
    shape panoramic display (linear, circular, semi-circular...)

AMENDED SHEET (ARTICLE 19)

12. A portable system capable of displaying interactive computer programs on a large area using nine flat screens to build single seamless customizable panoramic screen, depends on traditional technology and have the following advantages:
   - Simple to operate and maintain
   - Simple to install
   - The shape and area of the display are easily customizable
   - Can run any kind of visual contents, both self-running and interactive
   - Can be used in various applications like educational, technical, promotional and cultural

   And is composed of:
   a. Multiple projectors (the projection set) those project the panoramic image on the receiving set
   b. Multiple screens (the receiving set) those are arranged seamlessly in front of the projection set
   c. Single PC that runs the computer programs and connects to the projection set through a number of VGA cards
   d. A hanging platform for the projection set that can be easily installed

13. The projection set (according to claim 12), is composed of nine fixed projectors, each one projects a portion of the computer program on the opposite screen of the receiving set, resulting in seamless panoramic image of the computer program on the receiving set

14. The receiving set (according to claim 12), can be easily customized to produce differently shaped panoramic displays (straight, circular, semi-circular or any other shape) by adjusting the angle between each two successive screens

15. The projection set (according to claim 12), can be adjusted to produce panoramic displays those cover different field of views in the horizontal and vertical direction.

16. The displaying system (according to claim 12), is composed of regular, available and easy-to-use technologies making it a low-cost panoramic displaying system

17. The displaying system (according to claim 12), can display stereoscopic contents

18. The PC (according to claim 12), is connected to the projection set through five VGA cards, each can output to two projectors, and can run programs contain different types of visual contents

19. The program (according to claim 18), can contain both self-running and interactive contents

20. The program (according to claim 18), have an extremely hi resolution (7200*600 or higher)

21. The displaying system (according to claim 12), can be used to display different types of contents like: information, 2d and 3d animations, video, panoramic images and real-time 3d graphics

22. The receiving set (according to claim 12), use flat screens to produce custom-shape panoramic display (linear, circular, semi-circular...)

23. The receiving set (according to claim 12), composed of multiple pop up flat screens those can be easily folded and unfolded

24. The hanging platform (according to claim 12), can be easily adjusted to have different projection sets(straight, circular, semi-circular or any other shape)

25. The hanging platform (according to claim 12), can be easily assembled and disassembled

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AMENDED SHEET (ARTICLE 19)